Index of Claims

Application/Control No.

10/786,050

Examiner

Janis L. Dote

Applicant(s)/Patent under Reexamination

OGAWA ET AL.

Art Unit

1756

| 1 | Rejected |
|----------|----------|
| . | Allowed |

| _ | (Through numeral) Cancelled |
|---|--------------------------------|
| | Postricted |

| N | Non-Elected |
|---|--------------|
| - | Interference |

| A | Appeal |
|---|----------|
| 0 | Objected |

| Claim Date Image: Street of the control of the con | | | | | | | | J | | | _ | | | | | _ | | | J | Ь | |
|--|----------------------|------|------------|----------|--|----------|--------------|--------------|----------|----------|--------------|------|----------|-----|----------|----------|----------|----------|----------|----------|----------|
| E S | Cla | aim | П | | | | Dat | —— е | | | _ | | Cla | aim | | | | | Dat | e | _ |
| 51 | | | | | | | | | | | | | | | | | | | | | |
| S2 S3 S4 S4 S5 S5 S5 S5 S5 S5 | | | 12 | _ | <u> </u> | L | L | _ | _ | | L | | | | _ | _ | | L | L | L | L |
| Sample S | | | V | ⊢ | ┡ | ┡ | ┡ | _ | _ | _ | ⊢ | | | 51 | _ | <u> </u> | _ | ┡ | - | <u> </u> | Ļ |
| 4 1 54 55 55 56 55 56 55 56 56 57 58 59 10 60 60 60 60 60 60 60 61 62 63 63 63 63 63 63 64 64 64 64 64 64 64 64 66 66 66 66 66 66 67 71 71 71 71 72 72 73 73 73 73 73 73 73 73 74 74 74 74 74 75 7 | - | | - | ⊢ | - | - | <u> </u> | - | _ | ⊢ | <u> </u> | ١. | | 52 | ļ | | _ | ┞ | ⊢ | <u> </u> | ╀ |
| 5 1 6 6 7 55 57 58 59 60 11 62 13 63 14 64 15 65 16 66 17 67 18 68 19 69 20 70 21 71 22 73 24 74 25 75 26 77 28 79 30 80 31 81 32 78 28 79 30 80 31 81 32 82 33 83 34 84 35 85 36 86 37 87 88 99 90 90 40 91 | | | - | ⊢ | ┝ | ⊢ | ├ | ⊢ | <u>.</u> | ⊢ | - | ł | <u> </u> | | | | <u> </u> | ├_ | - | <u> </u> | ╀ |
| 6 56 8 57 10 60 11 61 62 62 13 63 14 64 15 65 16 66 17 67 18 68 19 68 20 70 21 71 22 72 23 73 24 74 25 75 26 76 27 77 28 79 30 80 31 81 32 82 33 83 34 84 35 85 36 86 37 87 38 88 39 89 40 90 41 91 42 92 43 93 44 94 45 95 | \vdash | - 4 | | | - | ├- | - | ⊢ | _ | ⊢ | ⊢ | ļ. | | 54 | H | <u> </u> | <u> </u> | ├ | ├ | <u> </u> | ╀ |
| ST ST ST ST ST ST ST ST | | 5 | т. | | - | ╀ | - | ⊢ | | - | | ļ | <u> </u> | 22 | _ | | | ├ | ┡ | | ╀ |
| Section Sect | - | 2 | V | | ├ | ┝ | | | ⊢ | - | - | | <u> </u> | 57 | \vdash | <u> </u> | ⊢ | ├ | ⊢ | - | ╀ |
| 10 | | | ┝ | ┢ | ┢ | \vdash | ┢╌ | | ⊢ | ⊢ | | ľ | ├── | 58 | ⊢ | - | ├ | ╁ | ├ | \vdash | ╁ |
| 10 | | ره ا | ├ | ┢ | ┝ | \vdash | - | ⊢ | ┝ | \vdash | ╁ | | | 59 | H | - | ├ | ╁ | \vdash | ⊢ | ╁ |
| 11 12 61 62 63 63 64 65 65 66 65 66 66 66 66 67 68 68 69 68 69 70 71 71 71 72 73 73 73 73 74 74 74 74 74 74 74 74 77 78 88 78 78 80 80 80 80 81 81 82 83 83 83 83 83 83< | - | | 1 | - | 1 | \vdash | ╁ | ┢ | | - | \vdash | | _ | 60 | - | _ | \vdash | ╁ | \vdash | - | t |
| 12 | | | .7 | _ | H | | T | _ | - | \vdash | 1 | ĺ | | 61 | \vdash | | \vdash | m | \vdash | \vdash | t |
| 13 63 14 65 15 66 16 66 17 68 18 68 19 69 20 70 21 71 22 72 23 73 24 74 25 76 26 76 27 77 28 78 29 79 30 80 31 81 32 82 33 83 34 84 35 85 36 86 37 87 38 88 39 90 41 91 42 92 43 93 44 94 45 95 46 96 47 97 48 98 49 99 | | | * | | \vdash | T | Т | <u> </u> | _ | | | İ | | 62 | | | | | | Г | t |
| 14 15 64 65 66 17 66 66 67 68 69 70 70 70 71 71 72 72 73 73 74 <t< td=""><td></td><td></td><td>T</td><td>Π</td><td>Г</td><td></td><td></td><td></td><td>Г</td><td></td><td></td><td>1</td><td></td><td>63</td><td></td><td></td><td>Г</td><td>T</td><td></td><td>Γ</td><td>T</td></t<> | | | T | Π | Г | | | | Г | | | 1 | | 63 | | | Г | T | | Γ | T |
| 15 65 16 66 17 66 18 68 19 70 21 71 22 72 23 73 24 74 25 76 26 76 27 77 28 79 30 80 31 82 33 83 34 84 35 85 36 86 37 87 38 89 40 90 41 91 42 92 43 94 44 94 45 96 47 97 48 98 49 99 | | | Π | | | | | | | | T | ĺ | | 64 | | | \vdash | İ | \vdash | | T |
| 16 17 66 67 18 68 69 19 70 71 20 70 71 21 71 72 23 73 74 25 75 76 26 76 77 28 78 79 30 80 81 32 83 82 33 84 84 35 85 86 37 87 88 39 88 89 40 90 90 41 91 92 43 94 94 45 96 96 47 97 98 48 99 99 | | 15 | | | | Г | Π | | Г | | | 1 | | 65 | | | | Г | | Г | T |
| 18 19 20 70 21 71 22 72 23 73 24 74 25 75 26 76 27 77 28 79 30 80 31 81 32 82 33 84 35 85 36 86 37 88 39 89 40 90 41 91 42 92 43 94 44 94 45 96 47 97 48 99 | | 16 | | | | | | | | | |]. · | | 66 | | | | | | | Γ |
| 19 69 20 70 21 71 22 72 23 73 24 74 25 75 26 76 27 77 28 79 30 80 31 81 32 83 33 84 35 85 36 86 37 87 38 88 39 89 40 90 41 91 42 92 43 94 44 94 45 96 46 97 48 99 | | | | | | | | | | | | - | | 67 | | | | | | | Γ |
| 20 70 21 71 22 72 23 73 24 74 25 75 26 76 27 77 28 79 30 80 31 81 32 82 33 84 35 85 36 86 37 88 39 89 40 90 41 91 42 92 43 94 44 94 45 96 46 96 47 97 48 98 49 99 | | | L | | | | | | | | | } | | 68 | | | | | | | |
| 21 71 22 72 23 73 24 74 25 75 26 76 27 77 28 79 30 80 31 81 32 81 33 81 34 84 35 85 36 86 37 87 38 88 39 90 41 91 42 92 43 94 44 94 45 96 47 97 48 98 49 99 | | | | L | | | | | | | | | | 69 | | | | | | | L |
| 22 72 23 73 24 74 25 75 26 76 27 77 28 78 29 79 30 80 31 81 32 82 33 83 34 84 35 85 36 86 37 87 38 88 39 90 41 91 42 92 43 94 44 94 45 96 47 97 48 98 49 99 | | 20 | | | L. | <u> </u> | <u> </u> | _ | _ | | <u></u> | · | L | 70 | | | <u> </u> | | _ | <u> </u> | L |
| 23 73 24 74 25 75 26 76 27 77 28 78 29 80 30 80 31 81 32 82 33 83 34 84 35 85 36 86 37 87 38 88 39 90 41 91 42 92 43 94 44 94 45 96 47 97 48 98 49 99 | | | _ | | L | <u> </u> | | | | | L_ | ļ | <u> </u> | | | | _ | L | _ | <u> </u> | L |
| 24 74 25 75 26 76 27 77 28 78 29 79 30 80 31 81 32 82 33 83 34 84 35 85 36 86 37 87 38 88 39 90 41 91 42 92 43 94 44 94 45 96 47 97 48 98 49 99 | | 22 | _ | _ | _ | _ | _ | _ | | | <u> </u> | | | 72 | | _ | <u> </u> | | _ | | L |
| 25 75 26 76 27 77 28 78 29 79 30 80 31 81 32 82 33 83 34 84 35 85 36 86 37 87 38 88 39 90 41 91 42 92 43 94 44 94 45 96 47 97 48 98 49 99 | | 23 | ļ_ | | | _ | _ | \vdash | | <u> </u> | <u> </u> | | | | | _ | L_ | | _ | _ | L |
| 26 76 27 77 28 78 29 80 30 81 31 81 32 82 33 83 34 84 35 85 36 86 37 87 38 88 39 90 41 91 42 92 43 94 44 94 45 96 47 97 48 98 49 99 | | | - | ļ | - | | ⊢ | - | ├- | ├ | | | | | _ | _ | <u> </u> | ⊢ | - | <u> </u> | ╀ |
| 27 28 77 29 79 30 80 31 81 32 82 33 83 34 84 35 85 36 86 37 87 38 88 39 90 41 91 42 92 43 94 44 95 46 96 47 97 48 98 49 99 | - | 20 | - | | ┢ | ┝ | <u> </u> | | | ⊢ | - | | | 76 | - | _ | _ | H | - | ⊢ | ╀ |
| 28 78 29 79 30 80 31 81 32 82 33 83 34 84 35 85 36 86 37 87 38 88 39 90 41 91 42 92 43 94 44 94 45 96 47 97 48 98 49 99 | | 27 | - | - | | \vdash | ⊢ | | - | \vdash | - | l | | 77 | - | _ | _ | - | - | ┝ | ⊦ |
| 29 79 30 80 31 81 32 82 33 83 34 84 35 85 36 86 37 87 38 88 39 90 41 91 42 92 43 94 44 94 45 96 47 97 48 98 49 99 | | | \vdash | ┢ | \vdash | | - | ┝ | | - | - | | | | \vdash | - | - | \vdash | | \vdash | ┝ |
| 30 | | 29 | | \vdash | | - | <u> </u> | _ | | 1- | \vdash | | | 79 | - | _ | _ | \vdash | ┢ | ┢ | H |
| 31 81 32 82 33 83 34 84 35 85 36 86 37 87 38 88 39 89 40 90 41 91 42 92 43 93 44 94 45 96 47 98 48 98 49 99 | | 30 | | _ | | | | <u> </u> | | _ | | | | | Н | _ | _ | T | Г | - | H |
| 32 82 33 83 34 84 35 85 36 86 37 87 38 87 39 89 40 90 41 91 42 92 43 93 44 94 45 95 46 96 47 97 48 98 49 99 | | | | _ | | | | | | | | | | 81 | | | | Т | | T | T |
| 34 84 35 85 36 86 37 88 38 88 39 90 40 90 41 91 42 92 43 93 44 94 45 95 46 96 47 97 48 98 49 99 | | 32 | | | | | | | | | | | | 82 | | - | | | | | Γ |
| 35 85 36 86 37 87 38 88 39 90 40 90 41 91 42 92 43 93 44 94 45 95 46 96 47 97 48 98 49 99 | | 33 | | | | | | | | | | | | 83 | | | | | | | |
| 36 86 37 87 38 88 39 89 40 90 41 91 42 92 43 93 44 94 45 95 46 96 47 97 48 98 49 99 | | 34 | | | | | | | | | | | | | | | | | | | |
| 37 87 38 88 39 89 40 90 41 91 42 92 43 93 44 94 45 95 46 96 47 97 48 98 49 99 | | | | | L | L | | L | | | | | | | Ш | | | | L | | L |
| 38 88 39 90 40 91 41 91 42 92 43 93 44 94 45 95 46 96 47 97 48 98 49 99 | | 36 | _ | _ | 匚 | | | | | _ | | | | 86 | | | | _ | <u> </u> | | L |
| 39 89 40 90 41 91 42 92 43 93 44 94 45 95 46 96 47 97 48 98 49 99 | | 37 | | | <u> </u> | ├ | <u> </u> | | _ | L | L., | | | | Ш | | | <u> </u> | <u> </u> | <u> </u> | L |
| 40 90 41 91 42 92 43 93 44 94 45 95 46 96 47 97 48 98 49 99 | | | _ | \vdash | ⊢ | - | | - | <u> </u> | \vdash | L- | | | | Ш | | | \vdash | ļ | _ | L |
| 41 91 42 92 43 93 44 94 45 95 46 96 47 97 48 98 49 99 | \vdash | | | <u> </u> | <u> </u> | ⊢ | - | | - | \vdash | <u> </u> | | | | \vdash | _ | | - | <u> </u> | <u> </u> | L |
| 42 92 43 93 44 94 45 95 46 96 47 97 48 98 49 99 | $\vdash\vdash\vdash$ | | \vdash | | \vdash | ⊢ | | | Н | - | \vdash | | | | \vdash | _ | | ├ | \vdash | _ | - |
| 43 93 44 94 45 95 46 96 47 97 48 98 49 99 | | | H | _ | \vdash | \vdash | \vdash | Н | Н | - | Н | | | | \dashv | - | - | - | - | | \vdash |
| 44 94 45 95 46 96 47 97 48 98 49 99 | \vdash | | - | | \vdash | _ | \vdash | \vdash | \vdash | Н | Н | | | 93 | \vdash | | _ | \vdash | - | | H |
| 45 | \vdash | | Н | | H | \vdash | - | \vdash | \dashv | \vdash | H | | | | H | \dashv | | | \vdash | _ | \vdash |
| 46 | | | | | \vdash | - | | | | \vdash | \vdash | | | 95 | \dashv | - | | | - | _ | \vdash |
| 47 | | | | | | | | | | \vdash | | | | 96 | \neg | _ | | | | _ | - |
| 48 98 99 | | 47 | | | | | | | | | | | | 97 | | | | | П | _ | Г |
| 49 99 99 | | 48 | | | | | | | | | | | | 98 | | | | | | | Г |
| 50 | | | | | | | | | | | | Ì | | 99 | | | | | | | Г |
| | ш | 50 | | | | | | | | Ш | \square | [| | 100 | \sqcup | | | | | | L |

| ١ | Claim | | | | | | Dat | e | | | |
|---|----------|----------------|--------------|----------|--|----------|--|--------------|--|--------------|--|
| | | | 1 | Т | T | П | Ī | Ť | П | 1 | Г |
| | Final | Original | | | | | | | | | |
| | | 51 52 | | | | | | | | | |
| | | 52 | | | L | L | | | $oxed{oxed}$ | L | L |
| | | 53 | | | $oxedsymbol{oxedsymbol{oxedsymbol{eta}}}$ | | | | | | |
| į | | 54 | \Box | Ĺ | | | | | | | |
| ļ | | 54 55 | | | | | | | | | |
| | | 56 | | <u> </u> | | L. | _ | L | <u> </u> | $oxed{oxed}$ | <u> </u> |
| | | 57 | <u> </u> | <u> </u> | _ | _ | <u> </u> | L | <u> </u> | <u> </u> | <u> </u> |
| | | 58 | \vdash | | | <u> </u> | ! | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| | | 59 | <u> </u> | <u> </u> | <u> </u> | _ | <u> </u> | <u> </u> | | ├ | _ |
| | | 60 | \vdash | - | \vdash | - | - | | \vdash | \vdash | ├ |
| | | 61 | \vdash | <u> </u> | \vdash | ├- | <u> </u> | 1 | | | |
| | | 62 63 | ├ | ├ | ├ | - | - | - | ├ | \vdash | \vdash |
| | | 64 | ├- | ⊢ | ├ | - | ├ | - | ├ | ⊢ | \vdash |
| | | 65 | - | \vdash | ├ | \vdash | \vdash | \vdash | ├ | 1 | \vdash |
| | | 66 | ⊢ | - | | \vdash | \vdash | ⊢ | | <u> </u> | \vdash |
| | | 67 | ╁ | ╁ | \vdash | \vdash | \vdash | \vdash | ├ | \vdash | ╁ |
| | | 68 | \vdash | \vdash | \vdash | \vdash | ╁ | \vdash | ├- | \vdash | \vdash |
| | | 69 | \vdash | \vdash | + | \vdash | - | \vdash | \vdash | - | \vdash |
| 1 | | 70 | \vdash | \vdash | 1 | \vdash | | \vdash | \vdash | \vdash | \vdash |
| 1 | | 71 | - | \vdash | 1 | \vdash | \vdash | ├─ | - | \vdash | ╁ |
| 1 | | 72 | | H | \vdash | \vdash | | \vdash | 1 | \vdash | \vdash |
| ı | | 71 72 73 | \vdash | \vdash | - | _ | | H | H | - | - |
| 1 | | 74 | Т | \vdash | | | t^- | \vdash | - | \vdash | |
| 1 | | 74 75 | | \vdash | \vdash | \vdash | | \vdash | \vdash | <u> </u> | |
| 1 | | 76 | | | T | T | T - | 一 | T | 1 | |
| ŀ | | 77 | | T | I^- | <u> </u> | | T | | \vdash | \vdash |
| 1 | | 78 | Г | | | | | Г | | Τ | T |
| 1 | | 79 | | | | | | | | | 1 |
| 1 | | 80 | | | | | | | Ŀ | | |
| | | 81 | | | | | | | | | |
| | | 82 | | | | | | L | | | |
| | | 83 | | | | | | | | | |
| | | 84 | \Box | | | | | | | | |
| Į | | 85 | \Box | | _ | | L | Ĺ | | | |
| | | 86 | <u> </u> | | | | | | <u> </u> | L | |
| | | 87 | | <u> </u> | <u> </u> | _ | <u> </u> | L_ | L | <u> </u> | <u> </u> |
| ļ | | 88 | L. | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | _ | <u> </u> |
| - | | 89 | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | _ |
| ŀ | | 90 | <u> </u> | \vdash | <u> </u> | | <u> </u> | <u> </u> | <u> </u> | <u> </u> | · |
| - | | 91 | <u> </u> | <u> </u> | ļ | | ļ | ļ | <u> </u> | <u> </u> | _ |
| ŀ | | 92 | <u> </u> | <u> </u> | l—i | _ | _ | | <u> </u> | <u> </u> | Н |
| ŀ | | 93 | <u> </u> | <u> </u> | ⊢ | _ | \vdash | <u> </u> | <u> </u> | | <u> </u> |
| ŀ | | 94 | | <u> </u> | <u> </u> | | - | - | \vdash | <u> </u> | Н |
| ŀ | | 95 96 | <u> </u> | <u> </u> | \vdash | | Ь, | | <u> </u> | _ | $\vdash\vdash$ |
| ŀ | | 97 | - | <u> </u> | - | <u> </u> | Н | - | \vdash | <u> </u> | Н |
| ŀ | | 98 | | <u> </u> | - | - | Н | - | \vdash | | \vdash |
| ł | \dashv | 99 | | - | - | _ | \vdash | H | - | - | \vdash |
| ŀ | \neg | 100 | | | \vdash | _ | \vdash | | H | - | \vdash |
| L | | | | , | | | | | | | |

| Cli | aim | | | | | Date | <u>е</u> | | | |
|--|---|---------------|----------|--|--|--|--|--------------|--|--|
| | | | Γ | | | | | | Π | |
| <u></u> | Originaf | | | | | | ļ | | | |
| Final | ij | | | | l | | | | l | |
| | 0 | | | | ĺ | | | | | |
| | 101 | | T | | Г | † | \vdash | \vdash | Н | |
| | 102 | | ┢ | Г | Т | Г | _ | \vdash | 一 | |
| | 103 | | _ | 1 | ┪ | ⇈ | | † | | |
| | 104 | | | | ┢ | T | | 十 | 一 | _ |
| | 105 | _ | T | Г | | | | <u> </u> | † | |
| | 106 | - | \vdash | \vdash | \vdash | \vdash | | | ┢ | Н |
| | 107 | | \vdash | \vdash | | | | ┢ | ┢ | |
| | 108 | | _ | \vdash | \vdash | _ | | T | H | Н |
| | 109 | $\overline{}$ | | T | Г | | | T | г | |
| | 110 | | | ┢ | | \vdash | | | ┢ | \vdash |
| | 111 | | \vdash | ┪ | T | Т | | T | Т | <u> </u> |
| | 101 102 103 104 105 106 107 108 109 110 111 112 113 | | Т | \vdash | \vdash | | | \vdash | I^- | \vdash |
| | 113 | П | T | Ι | | \vdash | Т | \vdash | | |
| | 114 | Т | \vdash | | \vdash | \vdash | 一 | \vdash | \vdash | \vdash |
| | 115 | | | \vdash | _ | - | | ┢ | - | \vdash |
| | 114 115 116 | | \vdash | T | | T | | T | 1 | |
| | 117 118 119 | | | - | - | | \vdash | 一 | ┢ | |
| | 118 | | _ | ┢ | \vdash | \vdash | | | ┝ | Н |
| | 119 | | \vdash | - | \vdash | \vdash | _ | - | ┢ | Н |
| | 120 | | | ┢ | \vdash | _ | _ | ┢ | ┢ | H |
| | 121 | | | H | | <u> </u> | - | - | | Н |
| | 122 | _ | - | | \vdash | ┢ | | \vdash | ┢ | Н |
| | 123 | | \vdash | - | - | ┥ | \vdash | \vdash | - | Н |
| | 120 121 122 123 124 125 126 127 128 129 130 | | \vdash | - | - | ┢ | | - | - | Н |
| | 125 | | ┢─ | - | ┢ | | \vdash | _ | ┢ | Н |
| - | 126 | | ┢ | H | - | | \vdash | \vdash | - | Н |
| | 127 | _ | ┢ | \vdash | - | \vdash | \vdash | - | | Н |
| | 128 | | _ | \vdash | | \vdash | \vdash | - | ┝ | Н |
| \vdash | 129 | | \vdash | - | | \vdash | \vdash | ┢ | \vdash | |
| | 130 | | \vdash | - | | | \vdash | \vdash | \vdash | Н |
| | 131 132 133 | _ | \vdash | ├── | \vdash | - | \vdash | \vdash | \vdash | - |
| | 132 | | | - | Н | - | ┝ | \vdash | ┢ | Н |
| | 133 | | Н | - | ┢ | | \vdash | - | H | \vdash |
| | 134 | | | - | - | - | _ | \vdash | ┝ | Н |
| | 135 | | - | _ | | - | _ | \vdash | | Н |
| | 134 135 136 | _ | _ | | | \vdash | _ | | _ | \vdash |
| | 137 | | - | Н | \vdash | | \vdash | | - | H |
| | 137 138 | \neg | - | | \vdash | | _ | _ | \vdash | \vdash |
| \vdash | 139 | - | \vdash | Т | \vdash | \vdash | - | \vdash | \vdash | \vdash |
| \Box | 139 140 | \neg | | \vdash | | | _ | Т | Н | \dashv |
| | 141 | | | | | _ | | | | $\vdash \vdash$ |
| | 142 | - | | | | \vdash | _ | | - | \dashv |
| | 143 | \dashv | | | | \vdash | - | | - | \vdash |
| | 144 | \neg | | | | Н | | | | \dashv |
| | 145 | \dashv | Н | | - | \vdash | | - | \vdash | \dashv |
| | 146 | \dashv | \vdash | | | \vdash | | H | _ | \dashv |
| | 147 | \dashv | \dashv | \dashv | | \dashv | | Н | | - |
| | 148 | \dashv | | \vdash | | - | | Н | | \dashv |
| | 149 | - | | \dashv | | \vdash | | \vdash | H | \dashv |
| | 150 | - | | \dashv | \vdash | - | | | \vdash | \dashv |
| | .50 | | | | | | | ш | ل | |